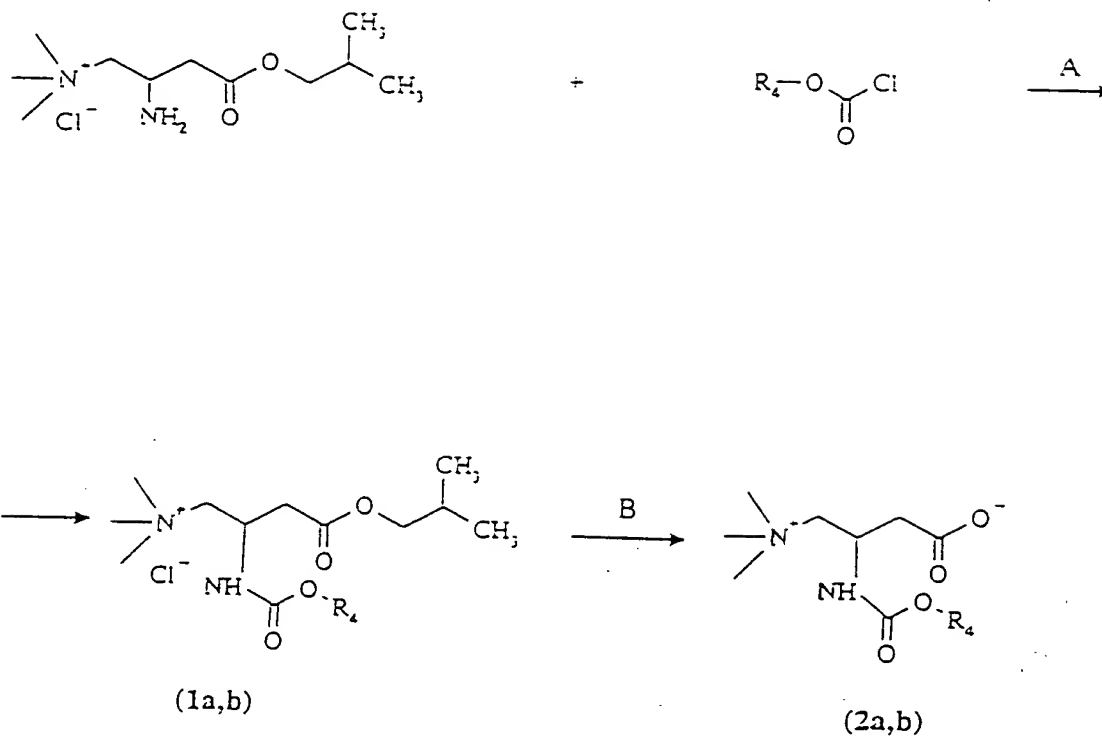


**Figure 1**

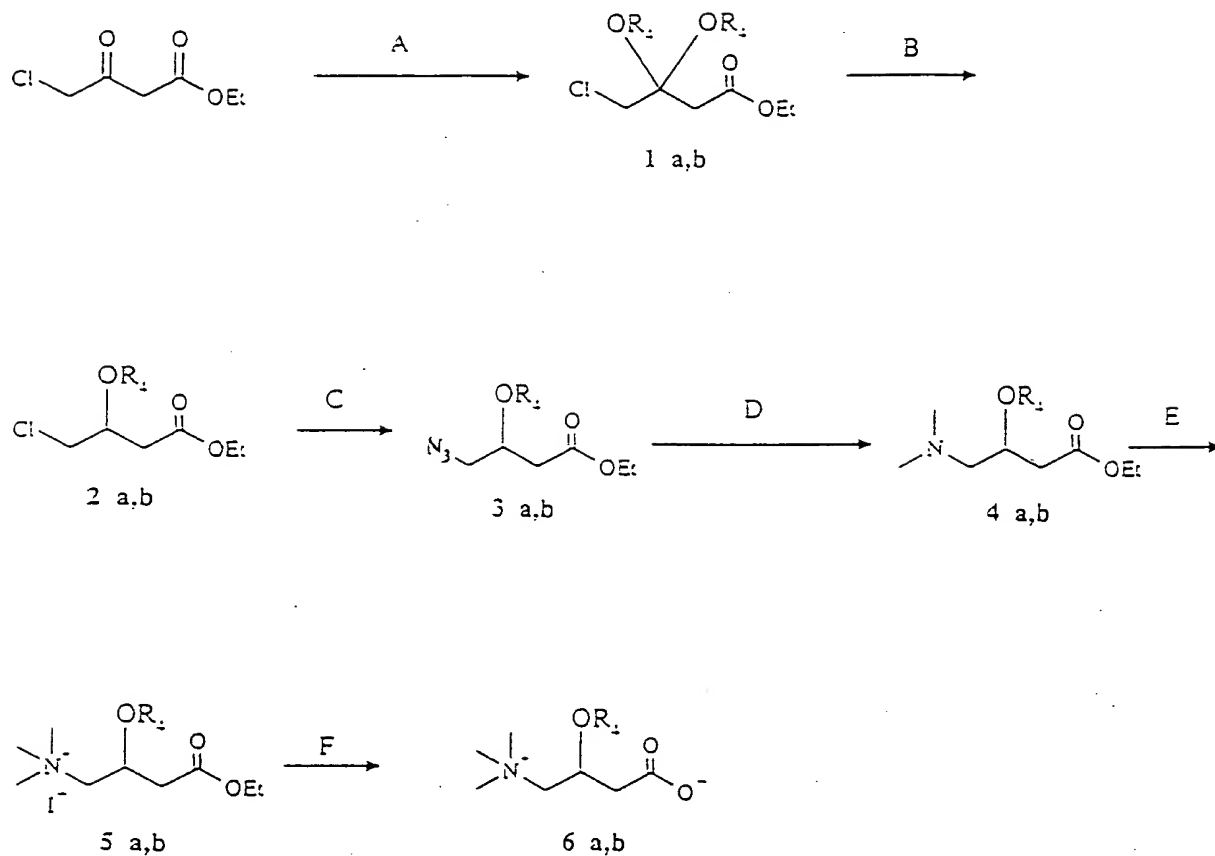


$\text{R}_4 =$  a)  $-(\text{CH}_2)_7\text{CH}_3$   
b)  $-(\text{CH}_2)_8\text{CH}_3$

A) base  
B) IRA 402/ $\text{OH}^-$  form

09577328-100000

Figure 2

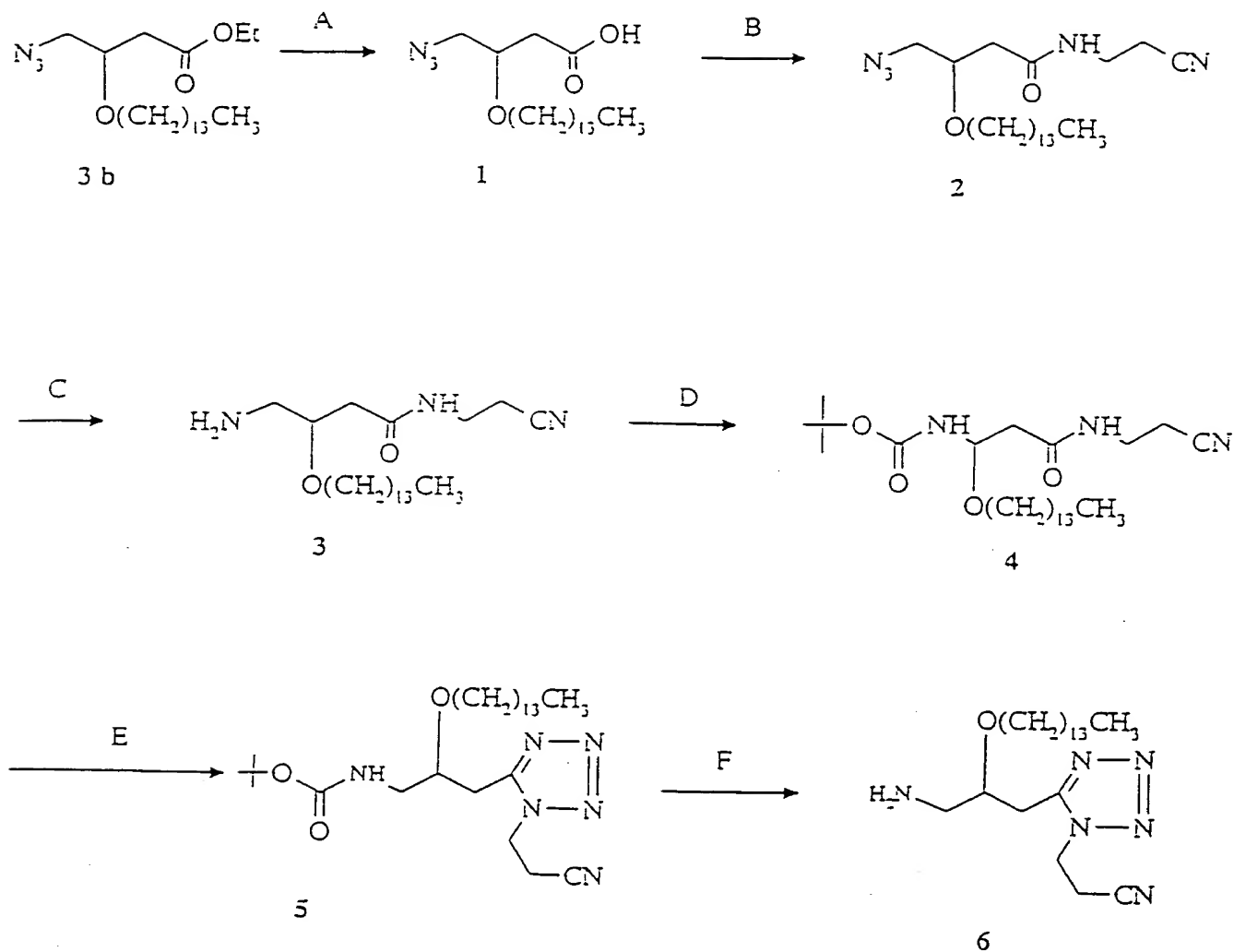


R<sub>4</sub> = a) - (CH<sub>2</sub>)<sub>7</sub>CH<sub>3</sub>  
b) - (CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>

A) R<sub>4</sub>OH, SOCl<sub>2</sub>  
B) Et<sub>3</sub>SiH, BF<sub>3</sub>·Et<sub>2</sub>O  
C) NaN<sub>3</sub>  
D) Pd/C H<sub>2</sub>, HCHO  
E) CH<sub>3</sub>I  
F) IRA 402 OH<sup>-</sup>

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000001-000000

Figure 3 A



A) NaOH 4N, MeOH, 16h, t.a

B)  $H_2NCH_2CH_2CN$ , DMF, TEA, DEPC

C) THF,  $Ph_3P$

D)  $(BOC)_2O$ , NaOH 1N

E) THF,  $Ph_3P$ , DEAD,  $Et_3SiN_3$

F) HCl 3N, NaOH 1N

Figure 3 B

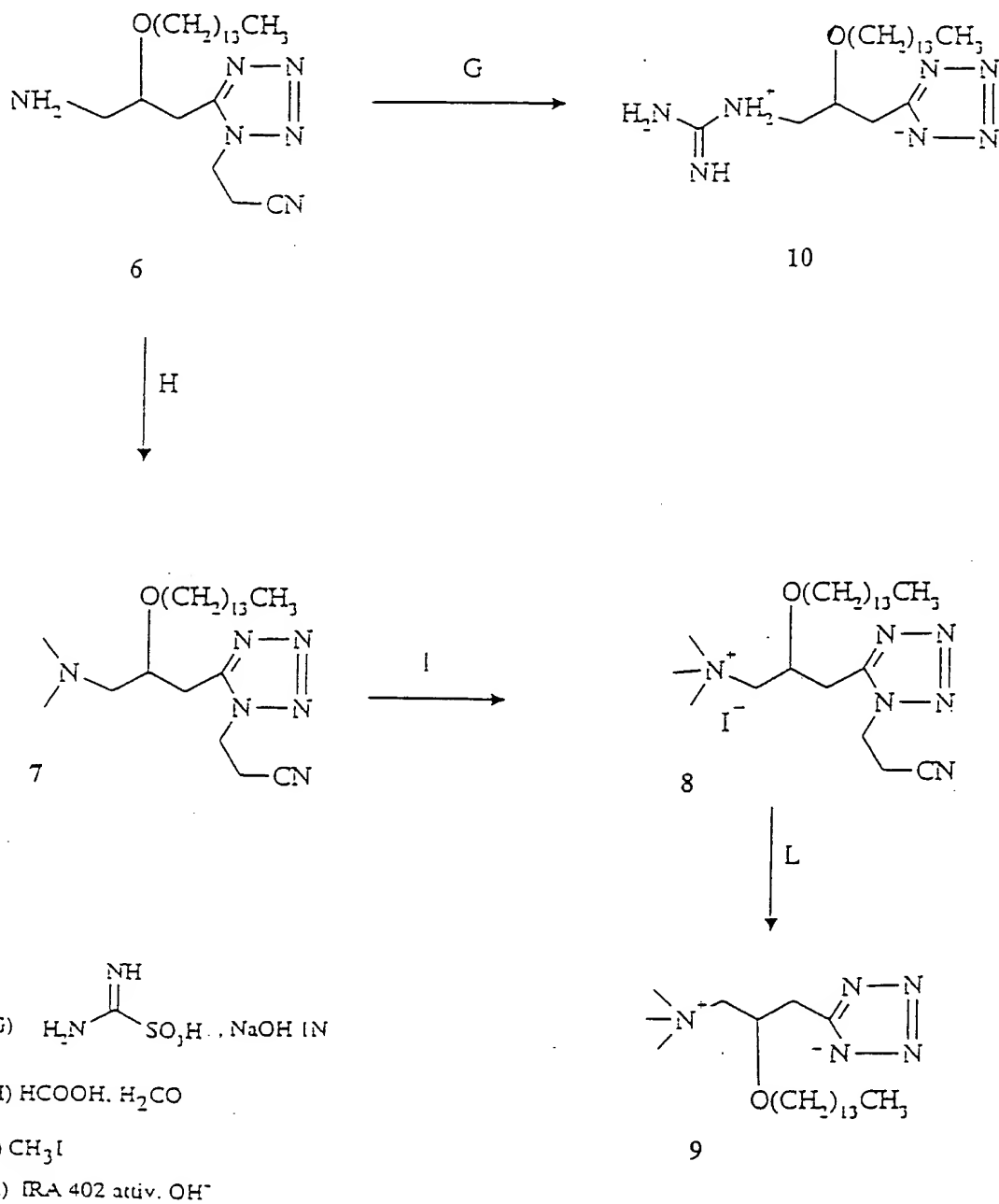
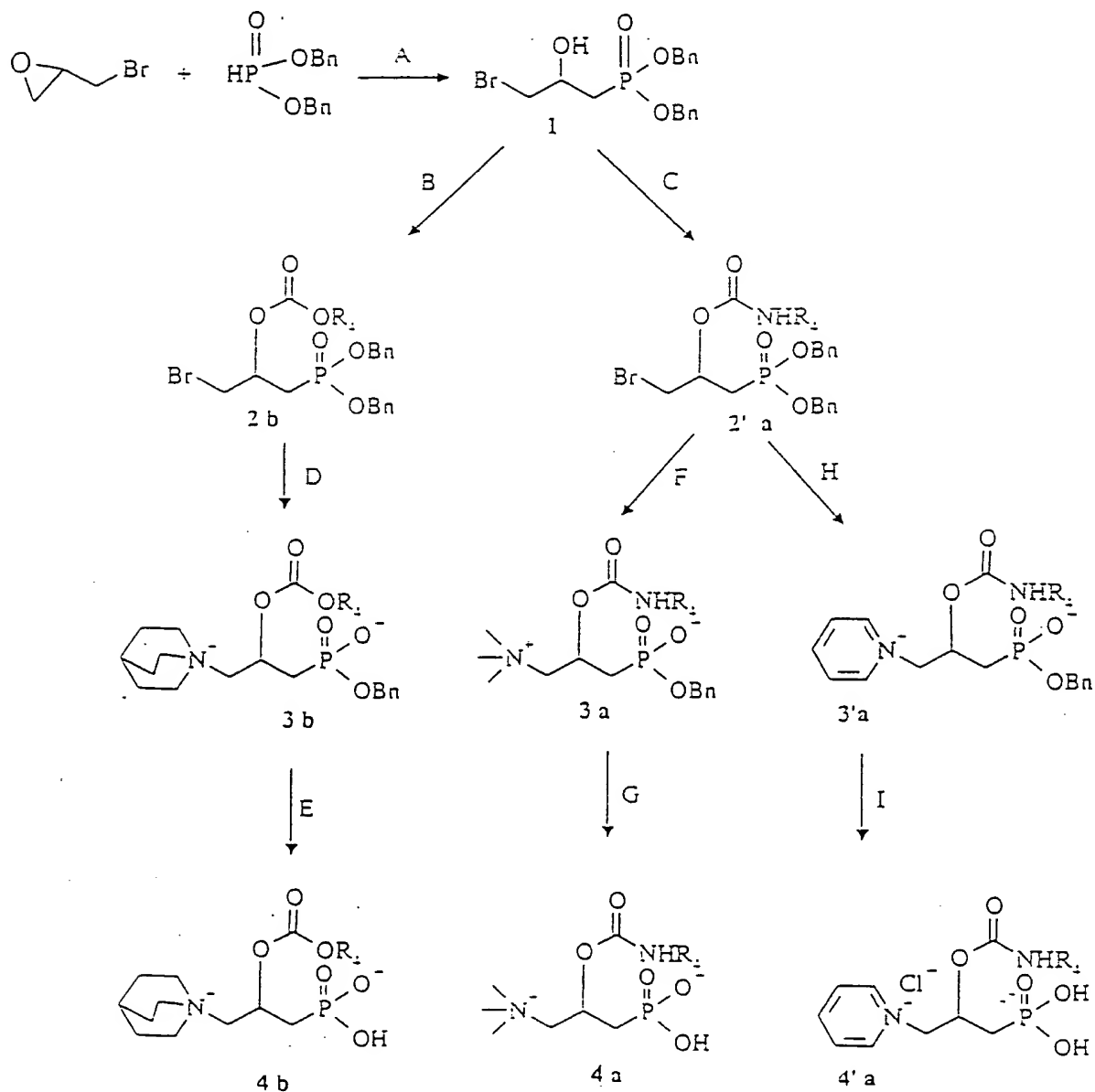


Figure 4



R<sub>4</sub> = a) - (CH<sub>2</sub>)<sub>7</sub>CH<sub>3</sub>  
b) - (CH<sub>2</sub>)<sub>13</sub>CH<sub>3</sub>

A) 1) BuLi 2) BF<sub>3</sub> · Et<sub>2</sub>O  
B) R<sub>4</sub>OCOC<sub>2</sub>H<sub>5</sub>, Base  
C) R<sub>4</sub>N=C=O, BF<sub>3</sub> · Et<sub>2</sub>O  
D) Quinuclidine F) Trimethylamine  
H) Pyridine  
E=G) H<sub>2</sub>, Pd/C